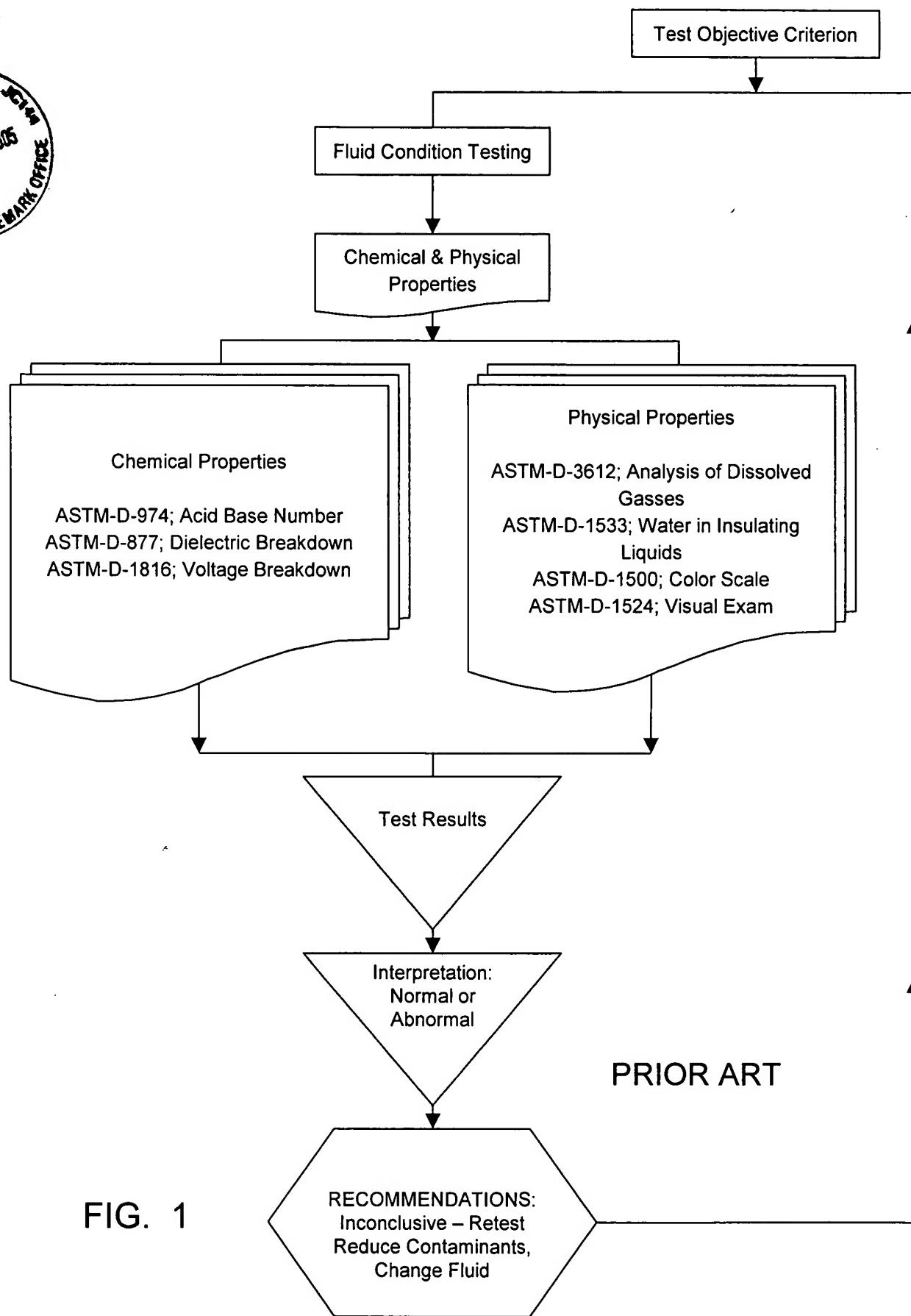


Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET



Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

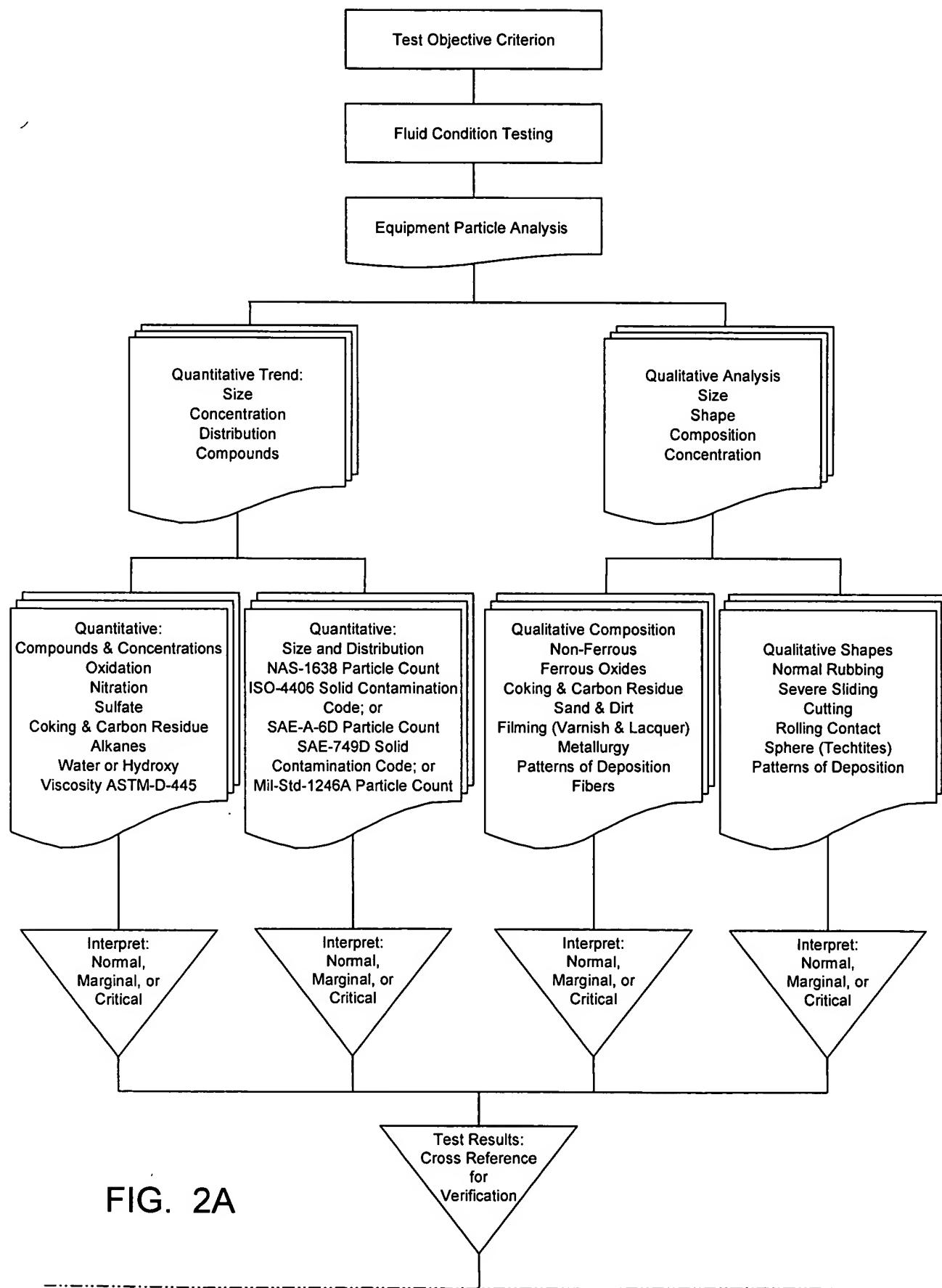


FIG. 2A

Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855  
REPLACEMENT SHEET

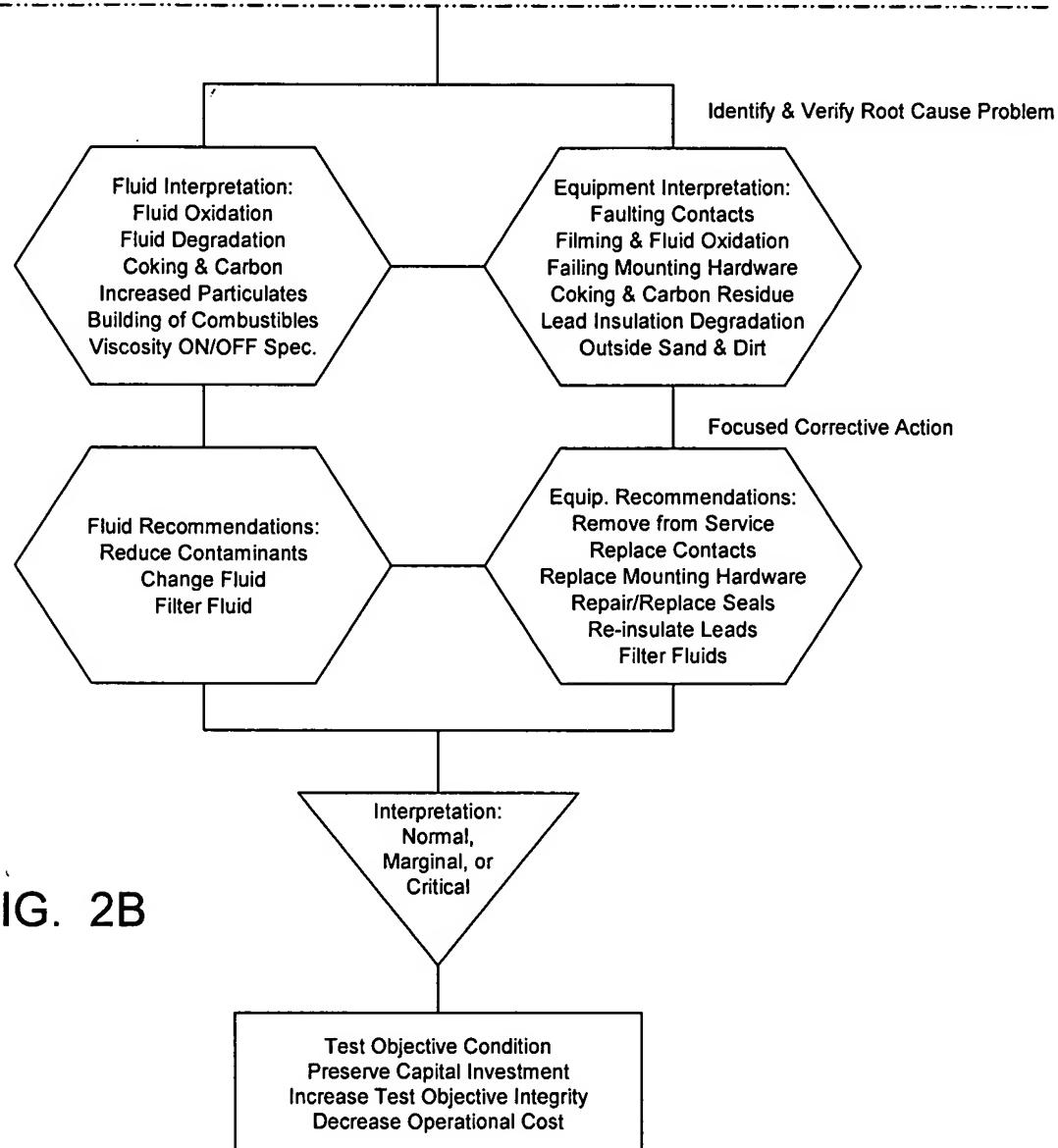


FIG. 2B

Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

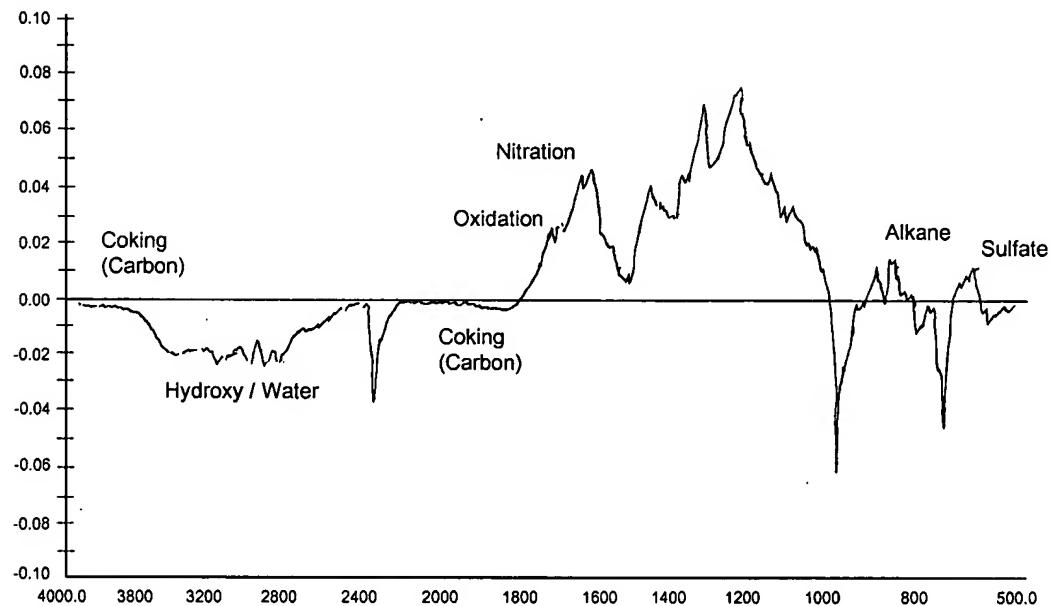


FIG. 3

Title of Inv.: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named inventor: RICE, Norman App. No.: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

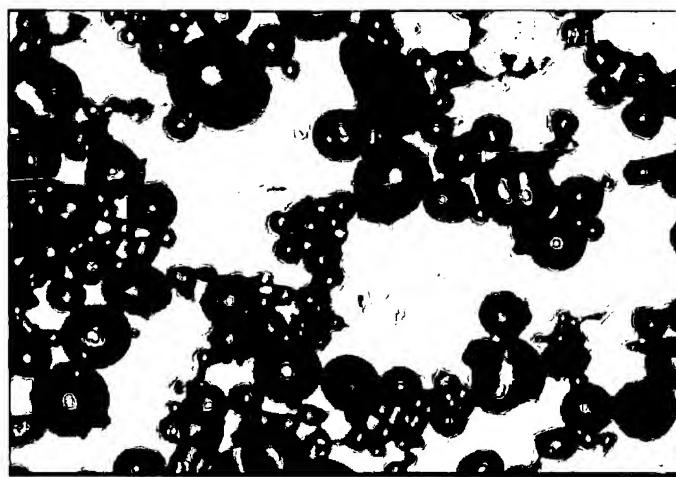


FIG. 4

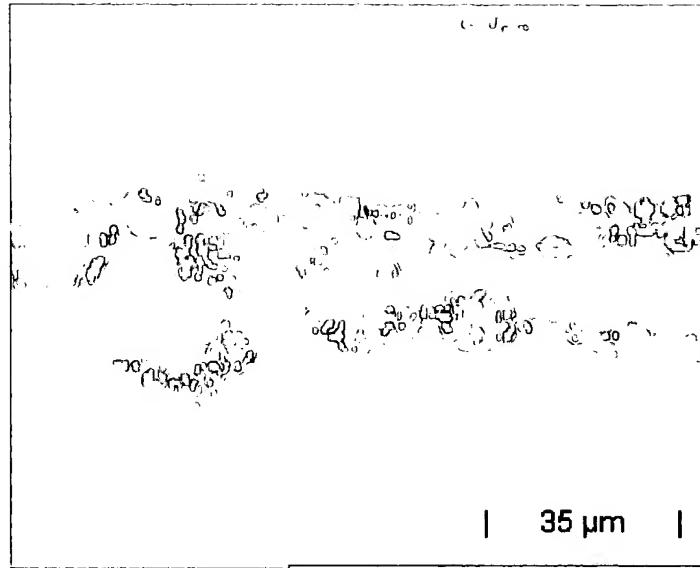


FIG. 5

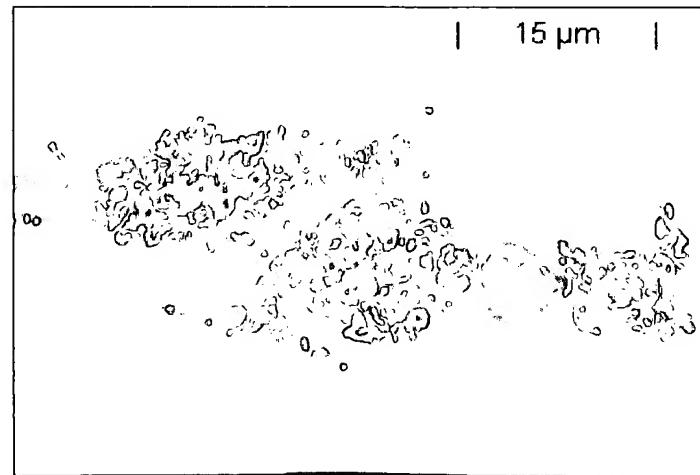


FIG. 6

Title of Inv.: Method for a Reliable Assessment, Failure Prediction and Operating  
Condition Determination of Electric Equipment

First Named inventor: RICE, Norman App. No.: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

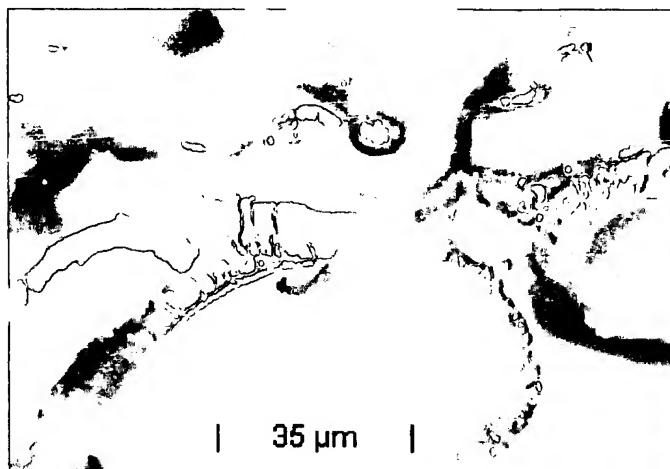


FIG. 7

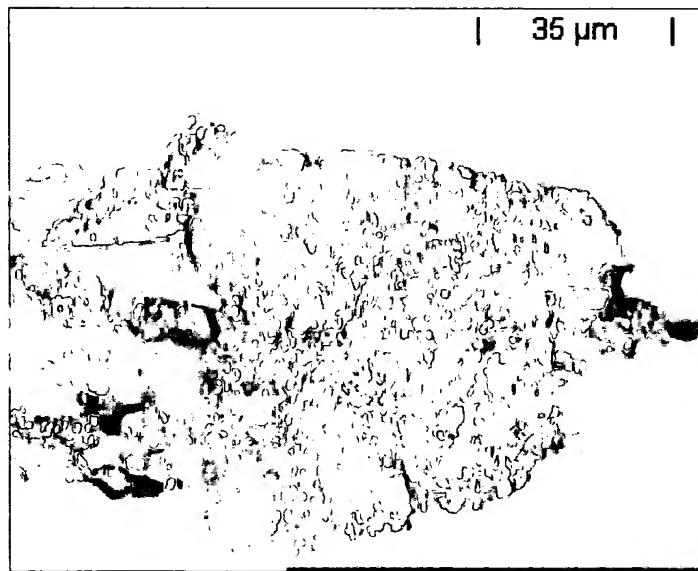


FIG. 8



FIG. 9



Title of Inv.: Method for a Reliable Assessment, Failure Prediction and Operating  
Condition Determination of Electric Equipment

First Named inventor: RICE, Norman App. No.: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

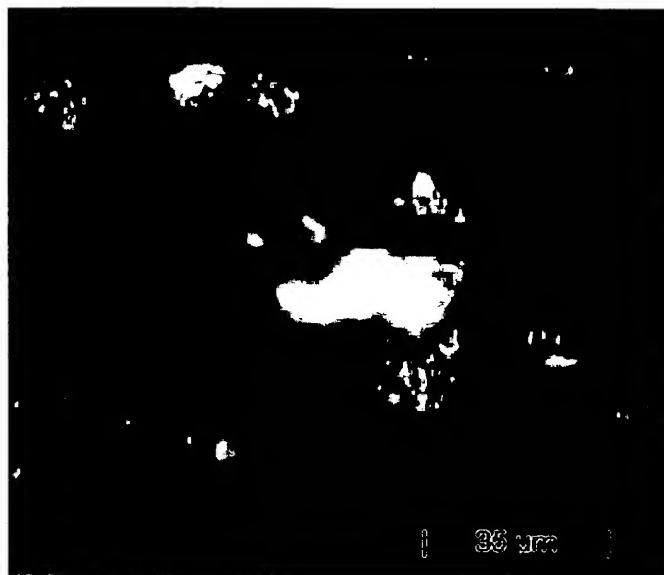


FIG. 10

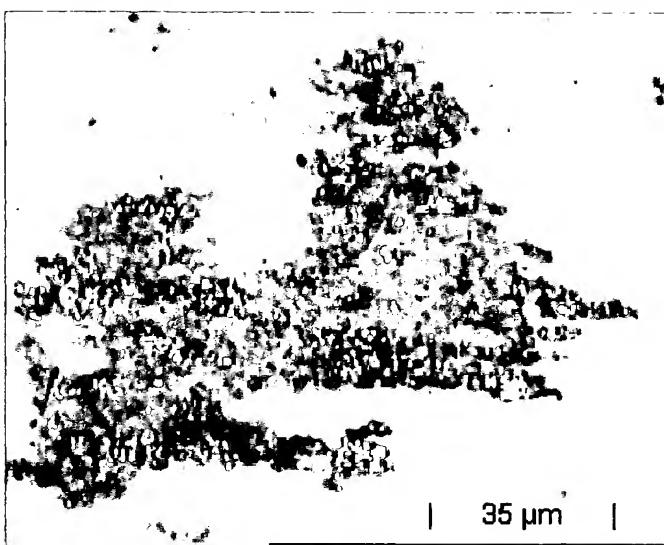


FIG. 11

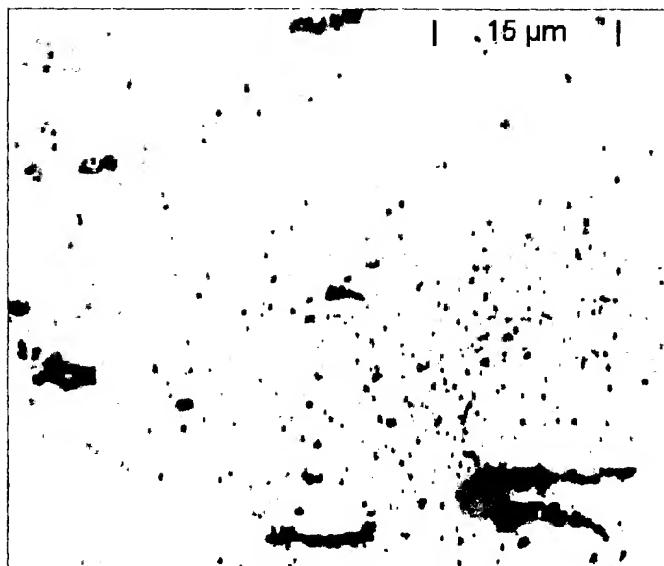


FIG. 12

Title of Inv.: Method for a Reliable Assessment, Failure Prediction and Operating  
Condition Determination of Electric Equipment

First Named inventor: RICE, Norman App. No.: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

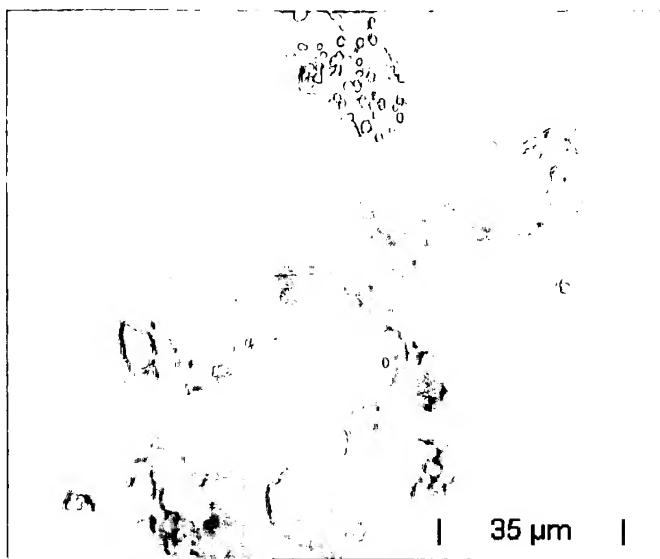


FIG. 13A

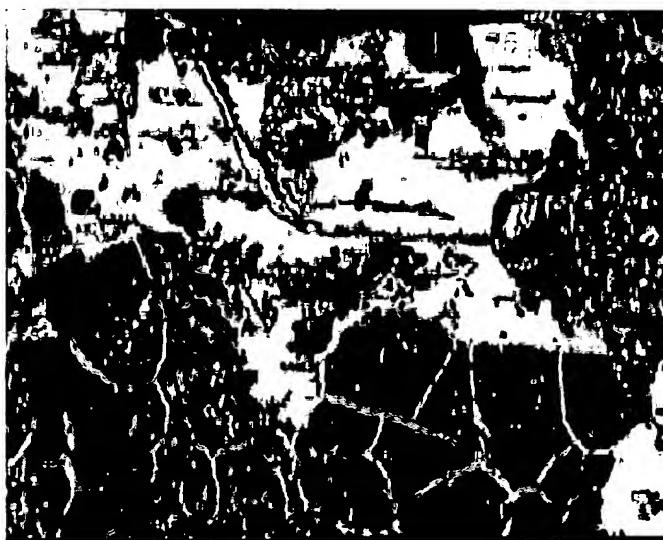


FIG. 13B

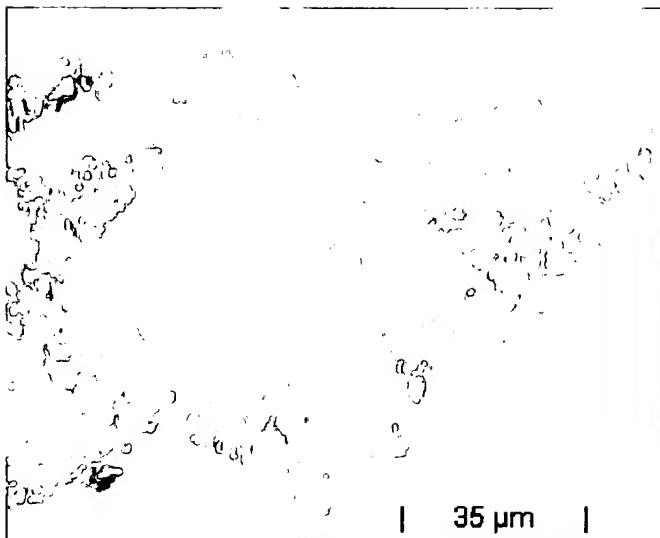


FIG. 13C

Title of Inv.: Method for a Reliable Assessment, Failure Prediction and Operating  
Condition Determination of Electric Equipment

First Named inventor: RICE, Norman App. No.: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET



FIG. 14

| 35  $\mu$ m |

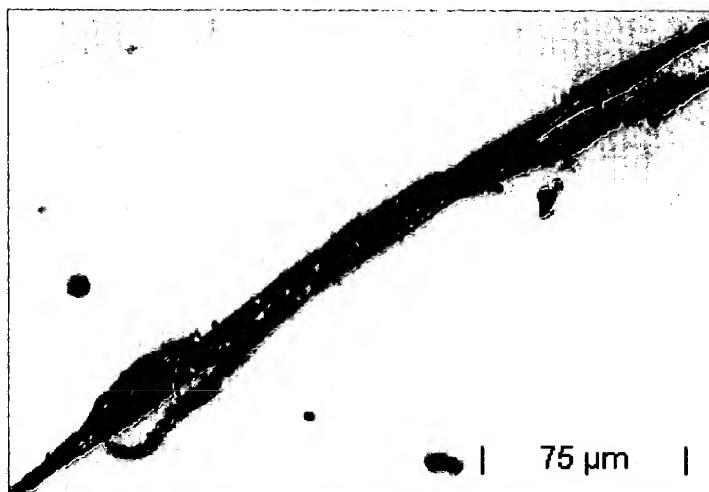


FIG. 15

| 75  $\mu$ m |

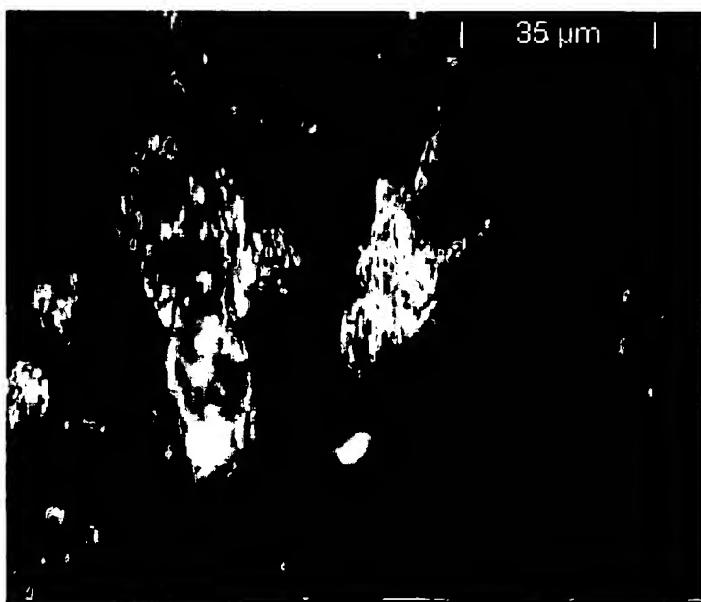


FIG. 16

| 35  $\mu$ m |

Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855  
REPLACEMENT SHEET

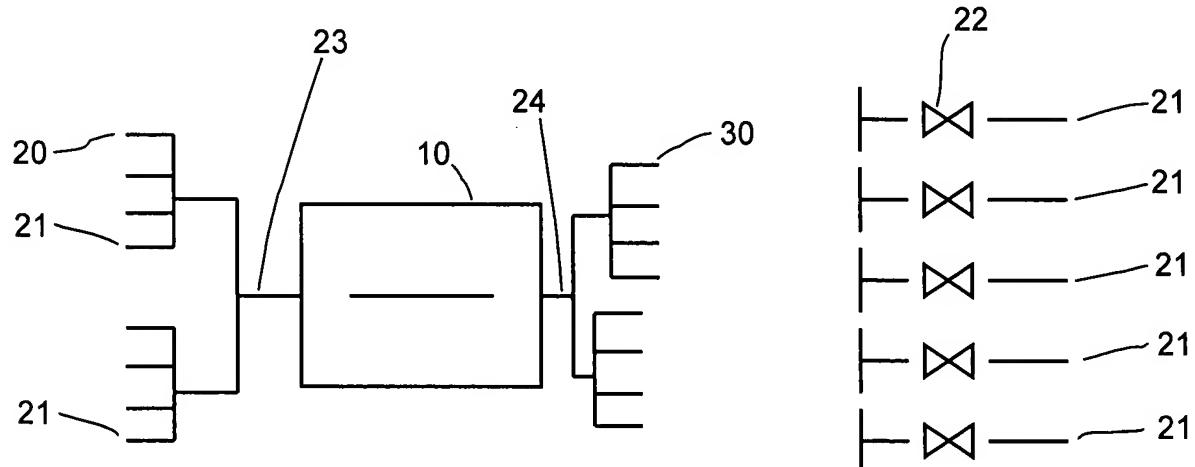


FIG. 17

Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

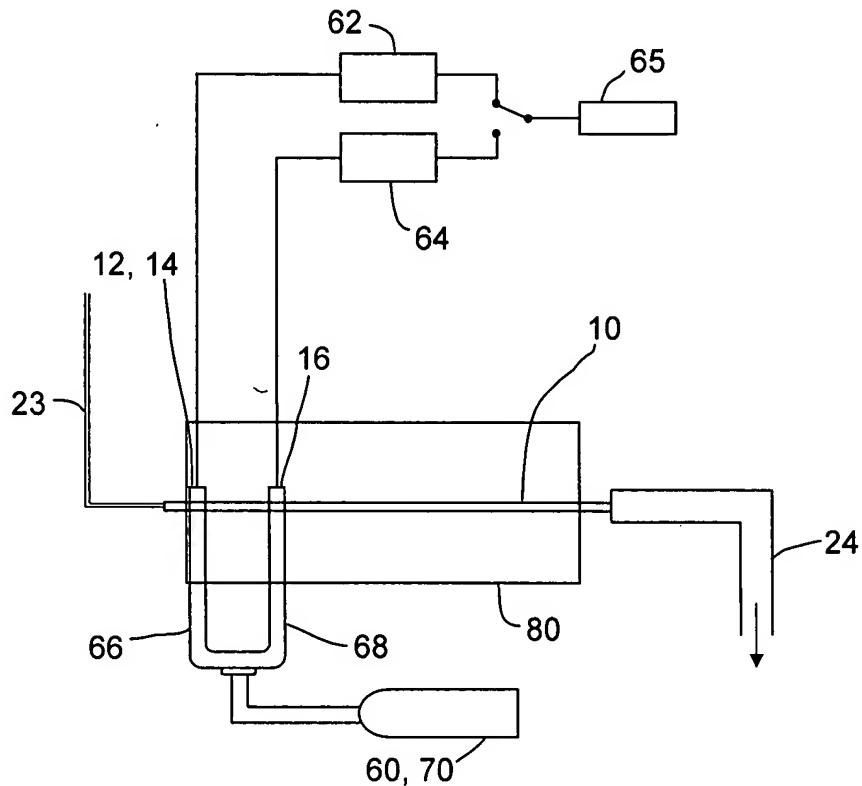


FIG. 18

Title of the Invention: Method for a Reliable Assessment, Failure Prediction and Operating Condition Determination of Electric Equipment

First Named Inventor: RICE, Norman Application Number: 10/781,079 Art Unit: 2855

REPLACEMENT SHEET

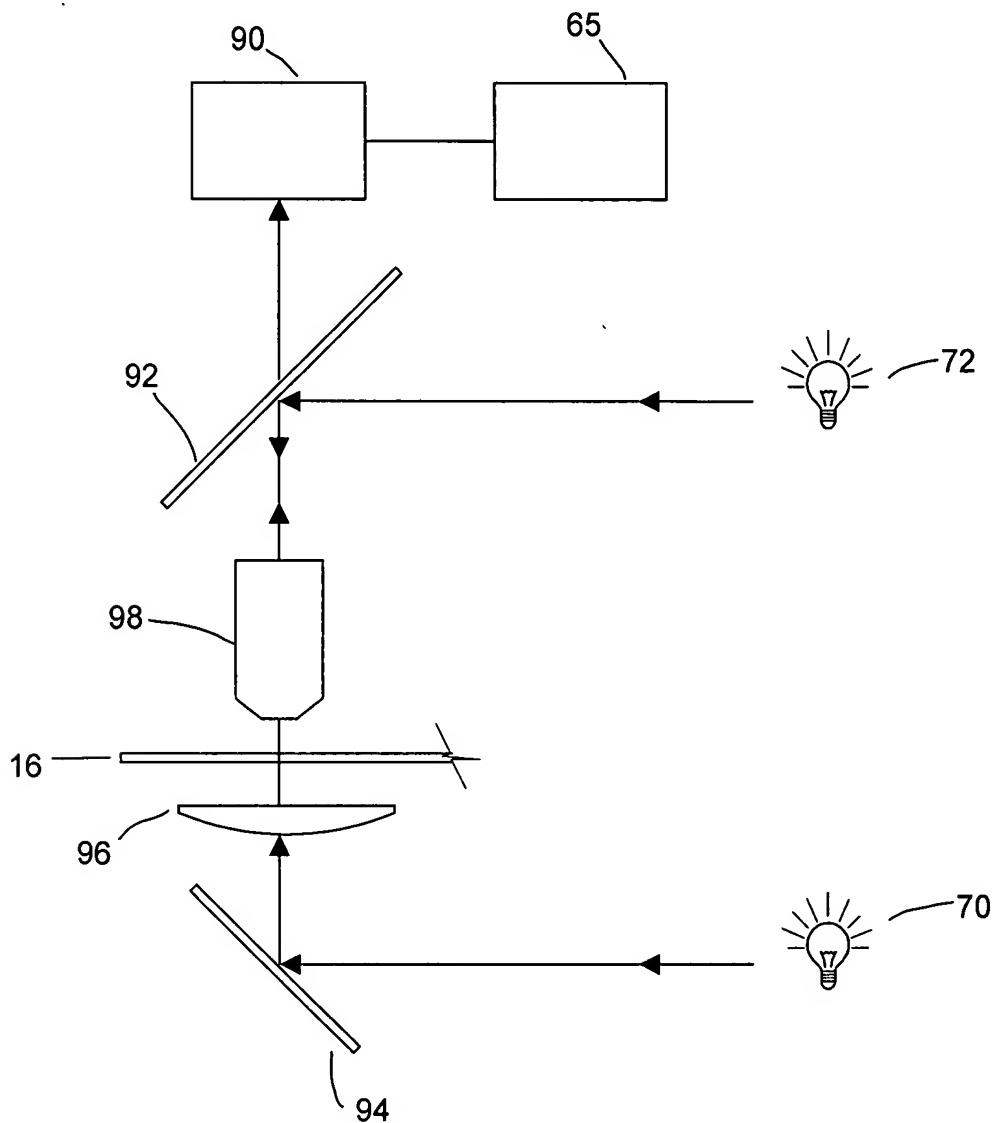


FIG. 19